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**Vendor:**Cisco

**Exam Code:**642-980

**Exam Name:**Troubleshooting Cisco Data Center  
Unified Fabric

**Version:**Demo

### QUESTION 1

Which two statements about configuring NPV are true? (Choose two.)

- A. Only F, E, and SD ports are supported in NPV mode.
- B. Only targets can be connected to an NPV device.
- C. Distribute the NPV core switch links to different port groups for improved scalability.
- D. If DPVM is configured on the NPV core switch for an end device that is connected to the NPV device, then that end device must be configured to be in the same VSAN.
- E. NPV does not support NPIV-capable module servers (nested NPIV).

Correct Answer: CD

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### QUESTION 2

In a Cisco Data center network, what troubleshooting step would you do first when having a npv issue?

- A. Check to see if npv is enabled
- B. Check name server database to see if it recognizes device
- C. Check detail config of FCNS database
- D. Check the show-tech-support detail

Correct Answer: A

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### QUESTION 3

Refer to the exhibit.

```
switch# show npv status

npiv is enabled

External Interfaces:
=====
Interface: ext17, FCID: 0x000000, State: Failed(neighbor on the upstream
port is not fabric)

Number of External Interfaces: 3
```

A customer is having difficulty getting NPV working. What is the cause of the problem?

- A. The core NPV device is not enabled.
- B. The core NPV device is not a switch.
- C. The core NPV device is not configured on both ends.
- D. The core NPV device is not configured on the upstream port.

Correct Answer: B

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#### QUESTION 4

There is an ARP storm in VDC 1. Some users on VDC 2 notice that ARP is not resolving for their gateway on the Cisco Nexus core. What is the cause?

- A. The ARP CoPP class committed information rate is exceeded, resulting in ARP loss in all VDCs.
- B. The administrator has not correctly configured the ARP CoPP class in VDC 2.
- C. The ARP traffic in VDC 1 is copied to the host ports in VDC 2, causing overutilization and output discards.
- D. Because the ARP process in the default VDC (VDC 1) is responsible for processing ARP traffic for all VDCs, VDC 2 will be affected.

Correct Answer: A

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#### QUESTION 5

An administrator wants to combine the advantages of a trunking F port and an F port channel.

Which command on a Cisco MDS switch should be used to enable this?

- A. enable port-channel
- B. feature trunking-fport
- C. feature fport-channel-trunk
- D. port-channel trunk
- E. feature fport-trunk

Correct Answer: C

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#### QUESTION 6

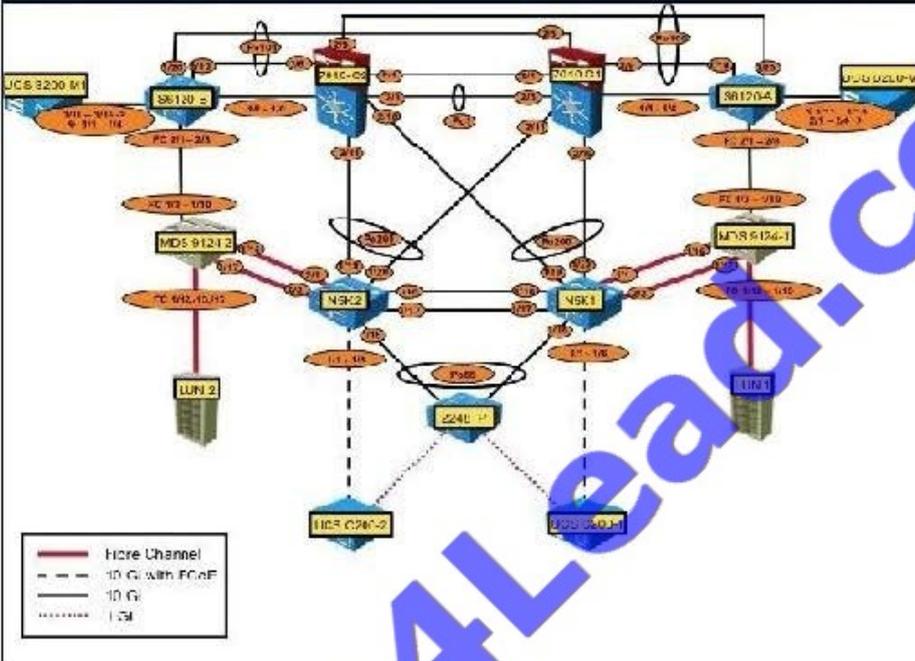
### Instructions

- Enter NX-OS commands on the device to verify network operation and answer the multiple-choice questions.
- **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- Click on the Console PC to gain access to the console of the router. No console or enable passwords are required.
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are **three** multiple-choice questions with this task. Be sure to answer all three questions before clicking the **Next** button.

### Scenario

The following three troubleshooting questions concern the Cisco Nexus 7000 and Nexus 5000 switches, which are at the core of the data center network. You can utilize all the available **show** commands to answer the questions. Access to the running configuration is not allowed.

### Exhibit2



### N5K2

N5K2#



Fibre Channel traffic on VSAN 12 between N5K2 and MDS9124-2 is degraded. Which statement explains the cause of this degradation?

- A. Performance is decreased by half due to the incorrect port type being used.
- B. The load-balancing scheme for VSAN 12 should be src-id/dst-id.
- C. B2B credits on N5K2 should be increased to 128.
- D. A VSAN port channel must be configured between N5K2 and MDS9124-2.

Correct Answer: D

## QUESTION 7

Refer to the exhibit.

```
%ZONE-2-ZS_MERGE_FAILED: %$VSAN 1%$ Zone merge failure, isolating interface fc2/1 error:
Received rjt from adjacent switch:[reason:0]
%ZONE-2-ZS_MERGE_FAILED: %$VSAN 1%$ Zone merge failure, isolating interface fc1/2 error:
Member mismatch
%ZONE-2-ZS_MERGE_ADJ_NO_RESPONSE: Adjacent switch not responding,isolating interface
%ZONE-2-ZS_MERGE_FULL_DATABASE_MISMATCH: Zone merge full database mismatch on interface
```

A zone merge failure occurs with the above error log.What is the problem?

- A. Two switches have the same zone set name but different zone members.
- B. Two switches have different zone names and different members.
- C. Two switches have the same zone set name and the same members.
- D. Two switches have different zone names.

Correct Answer: A

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### QUESTION 8

A customer reports that it cannot establish a vPC peer link between two Cisco Nexus 5548UP Switches. The interfaces on both switches are configured and cabled correctly. The interface status is up/down on switch 1 and up/up on switch 2. Which three steps are taken to isolate the root cause? (Choose three.)

- A. ask the customer if the link was ever functional
- B. determine whether the fiber-optic cable type (single mode or multimode) matches the X2 modules
- C. swap the fiber-optic cable with one known to be good
- D. swap the transceivers between the two interfaces
- E. swap the ends of the fiber-optic cable

Correct Answer: CDE

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### QUESTION 9

Refer to the exhibit.

An administrator is deploying FCoE; however, a VFC interface will not come up. The administrator executes the command `show platform software fcoe_mgr info interface vfc` and displays the output. What is the problem?

- A. Connecting a Cisco MDS switch to a Cisco Nexus switch with Fibre Channel is not supported.
- B. The port must be in the same VSAN.
- C. There is a port type mismatch. They both must be F ports.
- D. The speed must be set to 8 Gbps.
- E. It is still initializing the port on the Cisco Nexus switch.

Correct Answer: B

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### QUESTION 10

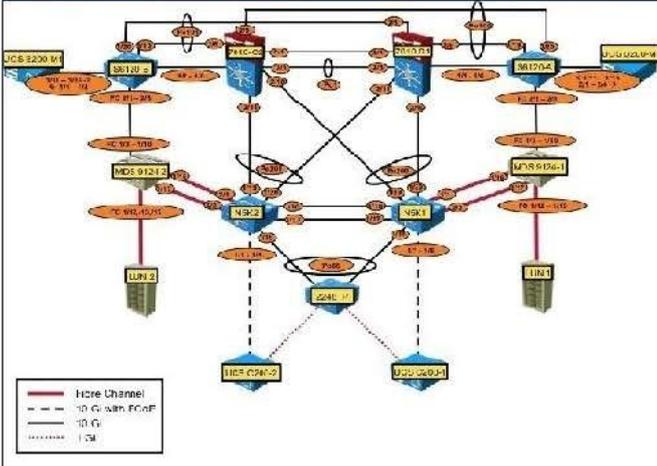
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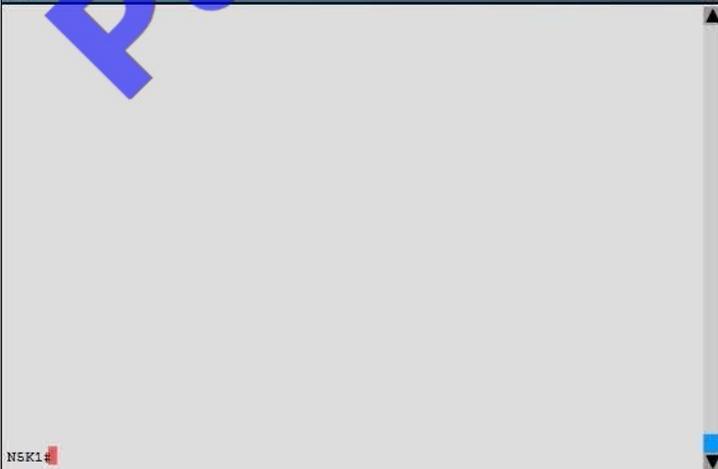
Exhibit2



N5K2



N5K1



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FCoE traffic from C200-1 on VSAN 13 is not being switched through the network. Which statement explains the cause of the problem?

- A. The LAN switchport on N5K2 must be configured as a trunk.
- B. VLAN 1013 on N5K2 is not allowed on the LAN.
- C. The vFC on N5K2 that is associated with VSAN 13 is in the wrong port mode.
- D. The M1 card on the Nexus 7000 switch does not support FCoE.

Correct Answer: D

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### QUESTION 11

One of your Cisco Nexus Series interfaces has become errdisabled with the error message "DCX-No ACK in 100 PDUs". How often are these acknowledgements exchanged?

- A. 15 seconds
- B. 30 seconds
- C. 45 seconds
- D. 60 seconds

Correct Answer: B

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### QUESTION 12

Refer to the exhibit.

```
switch# show npv status

npiv is enabled

External Interfaces:
=====
Interface: fc1/1, VSAN: 1, FCID: 0x110000, State: Failed(Mismatch in VSAN for this
upstream port)

Number of External Interfaces: 1
```

A customer is having problems with NPV. Which of these is the cause of the problem?

- A. No server was requested or received by the FLOGI database.
- B. One external link must be up for server interface to be up.
- C. Internal links are down and must be up for the server interface to be up.

D. VSANs are misconfigured on the upstream ports.

E. VLANs are misconfigured on the upstream ports.

Correct Answer: D

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